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	(Modi	•		Application Number	10/543,122	
	IFORMATION			Filing Date	January 26, 2004	
S	TATEMENT B	Y AP	PLICANT	First Named Inventor	SHENOY, Sudha	
				Art Unit	To be assigned	
	(use as many sheets as necessary)			Examiner Name	To be assigned	
Sheet	1	of	3	Attorney Docket Number	186563/US/2 (469390-00352)	

	-		U.S. PATENT	DOCUMENTS	·
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-3,654,090	04-04-1972	Schuurs	
	A2	US-3,850,752	11-26-1974	Schuurs et al.	
	A3	US-4,016,043	04-05-1977	Schuurs et al.	
	A4	US-4,341,761	07-27-1982	Ganfield et al.	
	A5	US-4,399,121	08-16-1983	Albarella et al.	
	A6	US-4,427,783	01-24-1984	Newman et al.	
	A7	US-4,444,887	04-24-1984	Hoffmann	
	A8	US-4,451,570	05-29-1984	Royston et al.	
	A9	US-4,466,917	08-02-1984	Nussenzweig et al.	
	A10	US-4,472,500	09-18-1984	Milstein et al.	
	A11	US-4,491,632	01-01-1985	Wands et al.	
	A12	US-4,493,795	01-15-1985	Nestor et al.	
	A13	US-4,493,890	01-15-1985	Morris	
	A14	US-5,625,048	04-29-1997	Tsien et al.	
	A15	US-5,777,079	07-07-1998	Tsien et al.	
	A16	US-5,891,646	04-06-1999	Barak et al.	
	A17	US-6,066,476	05-23-1990	Tsien et al.	
	A18	US-6,110,693	08-29-2000	Barak et al.	
	A19	US-RE 31,006	08-03-1982	Schuurs et al.	

	-		FOREIGN PATENT	DOCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ² Number ⁴ Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
	B1					

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	C1	ANGERS, S., et al., "Detection β_2 -adrenergic receptor dimerization in living cells using bioluminescence resonance energy transfer (BRET)," <i>Proc. Natl. Acad. Sci. USA</i> 97(7):3684-3689 (Mar. 2000).				

Examiner Signature /Zachary Howard/	Date Considered	04/23/2008	1
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	•	•		Application Number	10/543,122
INFORMATION DISCLOSURE				Filing Date	January 26, 2004
STATEMENT BY APPLICANT			PLICANT	First Named Inventor	SHENOY, Sudha
				Art Unit	To be assigned
	(use as many sheets as necessary)			Examiner Name	To be assigned
Sheet	2	of	3	Attorney Docket Number	186563/US/2 (469390-00352)

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	C2	CLAING, A., et al., "β-Arrestin-mediated ADP-ribosylation factor 6 activation and β ₂ -adrenergic receptor endocytosis," <i>J. Biol. Chem.</i> 276(45):42509-42513 (Nov. 2001) (first pub'd online 08/30/2001).	
	C3	CONG, M., et al., "Binding of the β₂ adrenergic receptor to N-ethylmaleimide-sensitive factor regulates receptor recycling," <i>J. Biol. Chem.</i> 276(48):45145-45152 (Nov. 2001) (first pub'd online 09/27/2001).	
	C4	EDGE, M., et al., "Total synthesis of a human leukocyte interferon gene," Nature 292(5825):756-762 (Aug. 1981).	
	Ç5	GOVERS, R., et al., "Identification of a novel ubiquitin conjugation motif, required for ligand-induced internalization of the growth hormone receptor," <i>EMBO J.</i> 18(1):28-36 (Jan. 1999).	
	C6	HERSHKO, A., et al., "The ubiquitin system," Annu. Rev. Biochem. 67:425-479 (1998).	
	C7	HICKE, L., et al., "Ubiquitination of a yeast plasma membrane receptor signals its ligand-stimulated endocytosis," <i>Cell</i> 84(2):277-287 (Jan. 1996).	
	C8	JAY, E., et al., "Chemical synthesis of a biologically active gene for human immune interferon-y. Prospect for site-specific mutagenesis and structure-function studies," <i>J. Biol. Chem.</i> 259(10):6311-6317 (May 1984).	
	C9	KRUPNICK, J., et al., "Arrestin/clathrin interaction. Localization of the clathrin binding domain of nonvisual arrestins to the carboxy terminus <i>J. Biol. Chem.</i> 272(23):15011-15016 (Jun. 1997).	
	C10	LAPORTE, S., et al., "The β2-adrenergic receptor/βarrestin complex recruits the clathrin adaptor AP-2 during endocytosis," <i>Proc. Natl. Acad. Sci. USA</i> 96(7):3712-3717 (Mar. 1999).	
	C11	LEFKOVITZ, R., "G protein-coupled receptors. III. New roles for receptor kinases and β-arrestins in receptor signaling and desensitization," <i>J. Biol. Chem.</i> 273(30):18677-18680 (Jul. 1998).	
	C12	LUTTRELL, L., et al., "β-arrestin-dependent formation of β2 adrenergic receptor-Src protein kinase complexes," Science 283(5402):655-661 (Jan. 1999).	
	C13	LUTTRELL, L., et al., "Activation and targeting of extracellular signal-regulated kinases by β-arrestin scaffolds," Proc. Natl. Acad. Sci. USA 98(5):2449-2454 (Feb. 2001) (first pub'd online 02/20/2001).	
	C14	MORI, S., et al., "Identification of an ubiquitin-ligation system for the epidermal-growth-factor receptor-herbimycin A induces in vitro ubiquitination in rabbit-reticulocyte lysate," Eur. J. Biochem. 247(3):1190-1196 (Aug. 1997).	
	C15	MORI, S., et al., "Degradation process of ligand-stimulated platelet-derived growth factor β-receptor involves ubiquitin-proteasome proteolytic pathway," <i>J. Biol. Chem.</i> 270(49):29447-29452 (Dec. 1995).	
:	C16	NAMBIAR, K., et al., "Total synthesis and cloning of a gene coding for the ribonuclease S protein," Science 223(4642):1299 (Mar. 1984).	
	C17	NIMAN, H., et al., "Generation of protein-reactive antibodies by short peptides is an event of high frequency: implications for the structural basis of immune recognition," <i>Proc. Natl. Acad. Sci. USA</i> 80(16):4949-4953 (Aug. 1983).	
	C18	NOREN, C., et al., "A general method for site-specific incorporation of unnatural amino acids into proteins," Science 244(4901):182-188 (Apr. 1989).	-
	C19	OAKLEY, R., et al., "Differential affinities of visual arrestin, βarrestin1, and βarrestin2 for G protein-coupled receptors delineate two major classes of receptors," <i>J. Biol. Chem.</i> 275(22):17201-17210 (Jun. 2000).	

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		or form 1449. Modified)	A/PTO		Complete if Known
	`			Application Number	10/543,122
			CLOSURE	Filing Date	January 26, 2004
ST	STATEMENT BY APPLICANT			First Named Inventor	SHENOY, Sudha
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	C20	OAKLEY, R., et al., "Molecular determinants underlying the formation of stable intracellular G protein-coupled receptor-β -arrestin complexes after receptor endocytosis," <i>J. Biol. Chem.</i> 276(22):19452-19460 (Jun. 2001) (first pub'd online 03/09/2001).	-
	C21	PERRY, S., et al., "Arresting developments in heptahelical receptor signaling and regulation," <i>Trends Cell Biol.</i> 12(3):130-138 (Mar. 2002).	
	C22	PHONPHOK, Y., et al., "Stabilization of clathrin coated vesicles by amantadine, tromantadine and other hydrophobic amines," FEBS Lett. 281(1-2):188-190 (Apr. 1991).	
	C23	ROTH, A., et al., "Ubiquitination of the yeast a-factor receptor," J. Cell. Biol. 134(3):661-674 (Aug. 1996).	
	C24	SHENOY, S., et al., "Regulation of receptor fate by ubiquitination of activated beta 2-adrenergic receptor and beta-arrestin," <i>Science</i> 294(5545):1307-1313 (Mar. 2001) (first pub'd online 10/04/2001).	
	C25	TOHGO, A., et al., "β-Arrestin scaffolding of the ERK cascade enhances cytosolic ERK activity but inhibits ERK-mediated transcription following angiotensin AT1a receptor stimulation," <i>J. Biol. Chem.</i> 277(11):9429-9436 (Mar. 2002) (first pub'd online 01/02/2002).	-
	C26	WANG, C., et al., "TAK1 is a ubiquitin-dependent kinase of MKK and IKK," Nature 412(6844):346-351 (Jul. 2001).	
	C27	WANG, Y., et al., "Down-regulation of protease-activated receptor-1 is regulated by sorting nexin 1," Mol. Biol. Cell 13(6):1965-1976 (Jun. 2002).	
	C28	ZHENG, B., et al., "RGS-PX1, a GAP for Gos and sorting nexin in vesicular," Science 294(5548):1939-1942 (Nov. 2001).	

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